

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1873 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	07/09/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7848976 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	266920 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Schist

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	8 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Thin Moderately gravelly Silty Clayey Moderately deep		Principal Profile Form:	Gn3.13

ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Themeda triandra, Aristida species
Mid Strata - Shrub, 0.51-1m, Sparse. *Species includes - Acacia species
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 20-50%, medium gravelly, 6-20mm, angular platy, Shale

Profile Morphology

A11	0 - 0.09 m	Yellowish red (5YR4/6-Moist); ; Silty clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.09 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Silty light clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 2-10%, angular platy, Schist, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
BC	0.2 - 0.43 m	Dark reddish brown (2.5YR3/4-Moist); ; Silty light clay; Dry; Strong consistence; 50-90%, angular platy, Schist, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.4); Gradual change to -
C1	0.43 - 0.7 m	Olive brown (2.5Y3/3-Moist); ; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.6); Gradual change to -
C2	0.7 - 1 m	Olive (5Y4/4-Moist); ; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP		
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile